

Fig. 1

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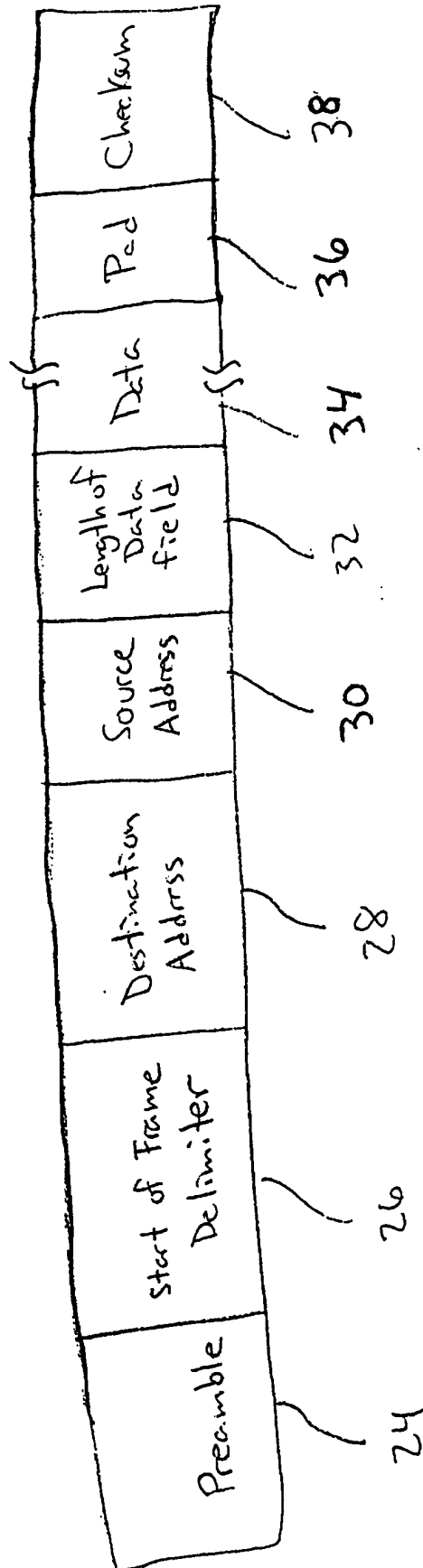


FIG. 2

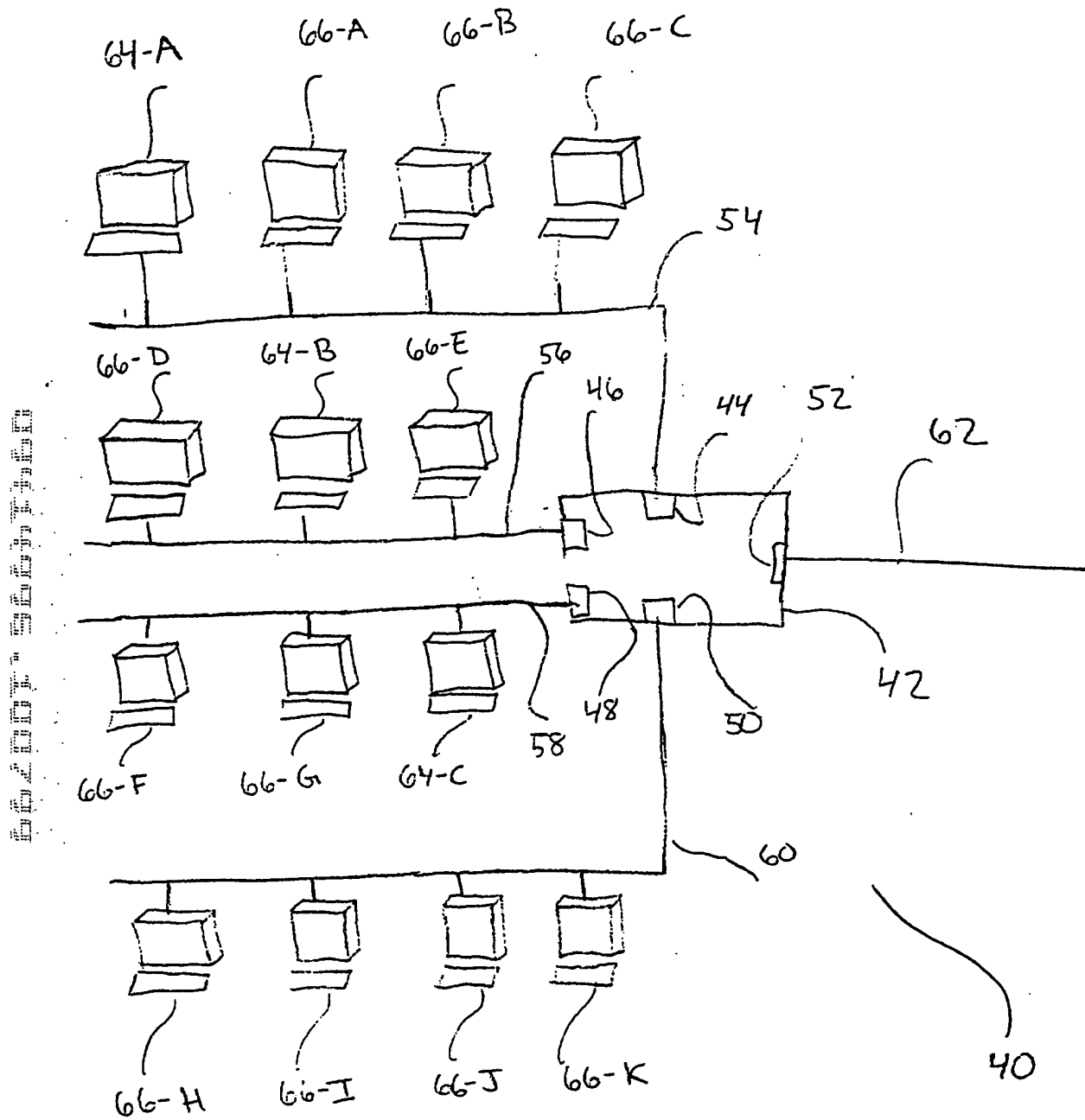


FIG. 3

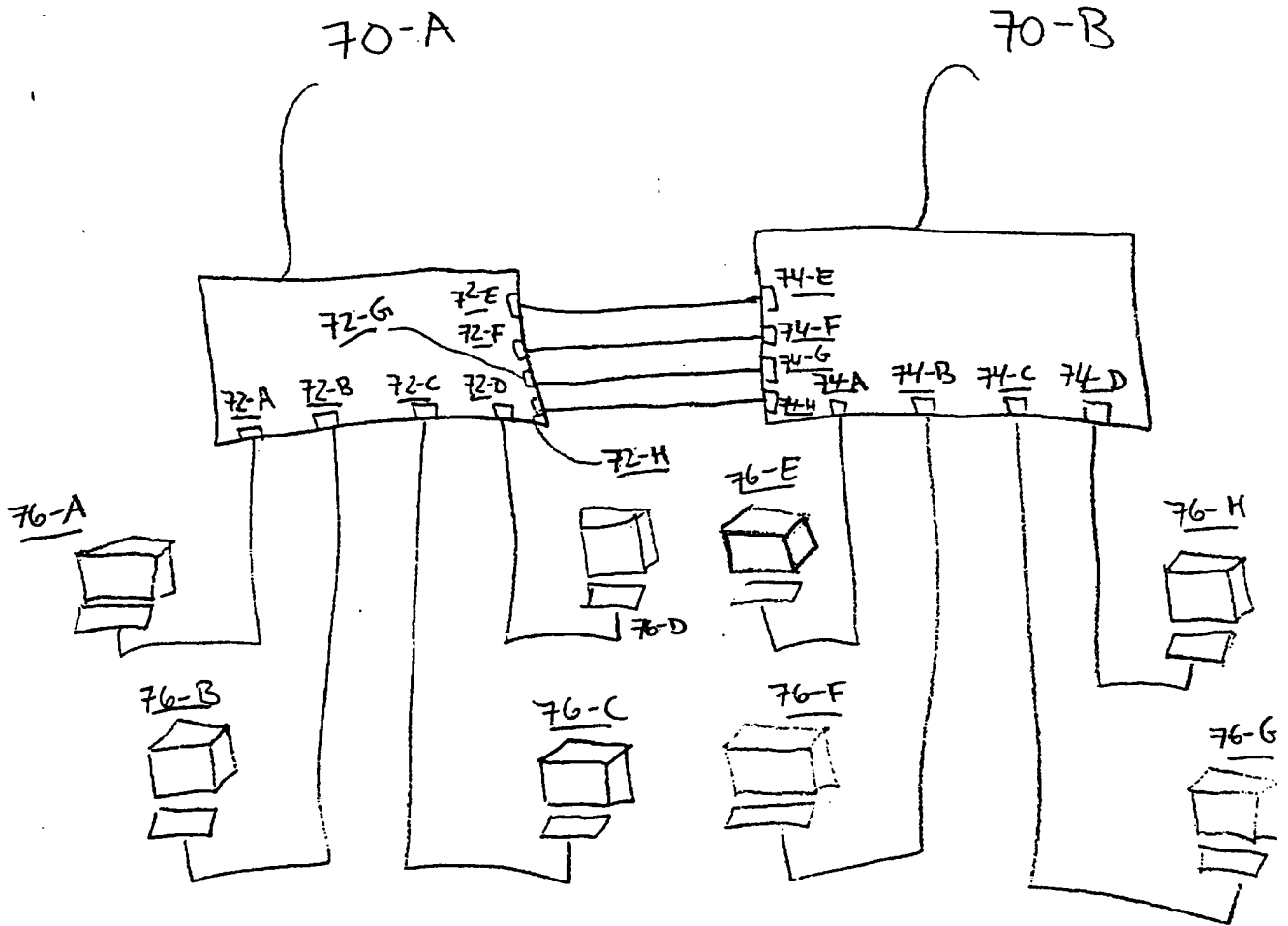


FIG. 4

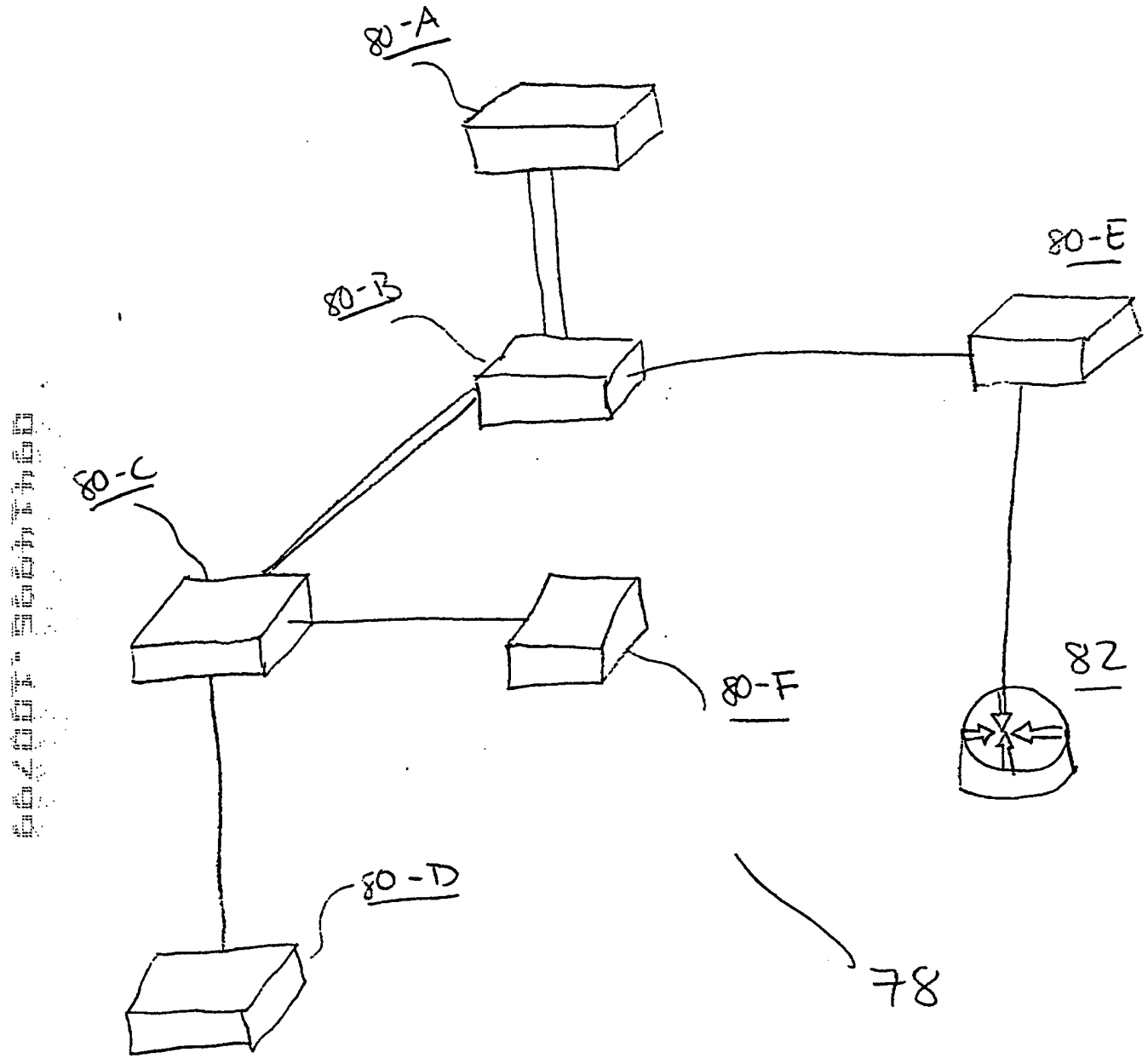
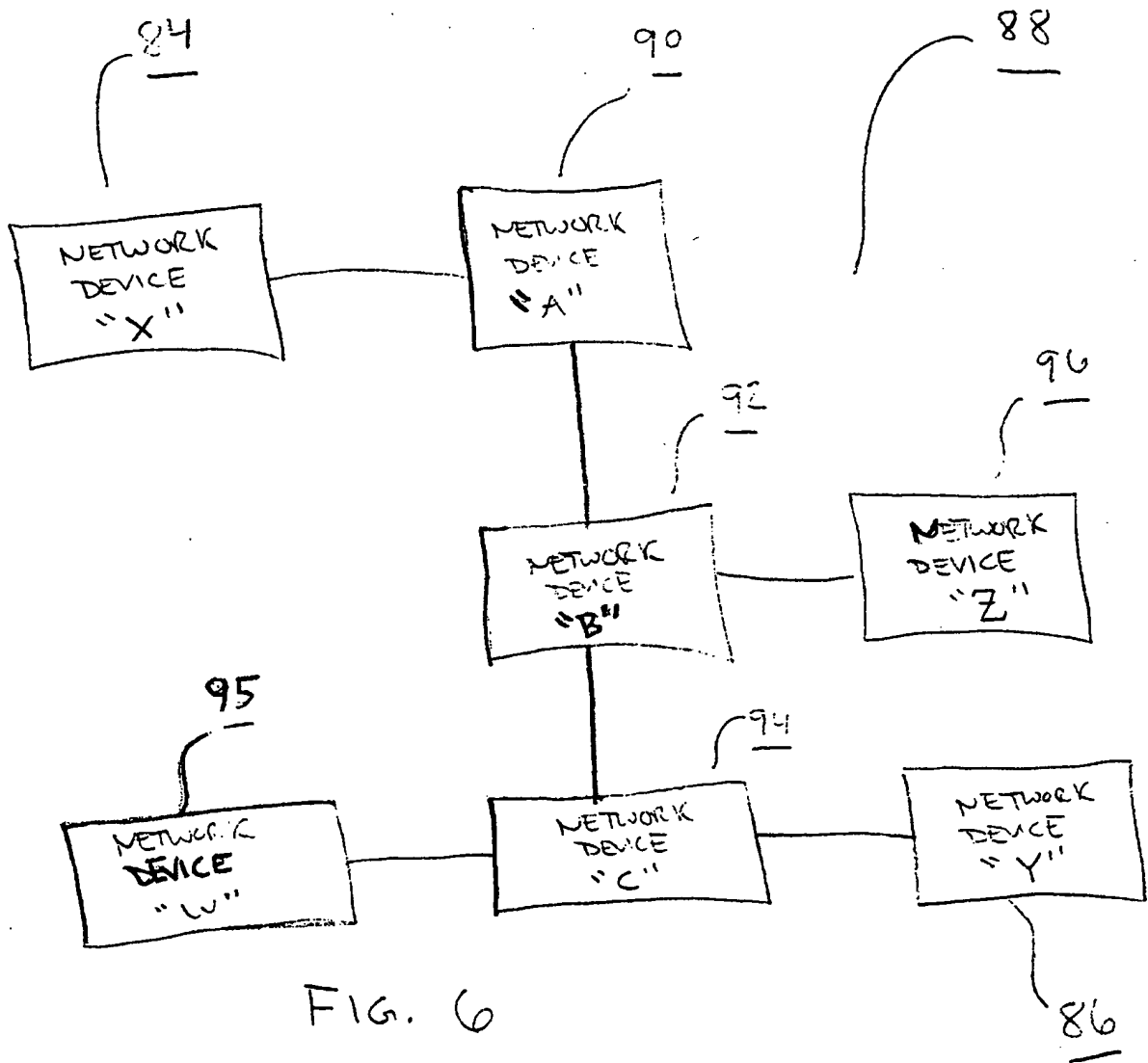


FIG. 5



Switch# show cdp neighbors

Capability Codes: R - Switch, T - Trans Bridge, B - Source Route Bridge

S - Switch, H - Host, I - IGMP

Device ID	Local Intrfce	Holdtme	Capability	Platform	Port ID
device.domain.com	Eth 0	151	R T	AGS	Eth 0
device.domain.com	Ser 0	165	R T	AGS	Ser 3

FIG. 7

Console> (enable) **show cdp neighbor 4**

Capability Codes: R - Router, T - Trans Bridge, B - Source Route Bridge

S - Switch, H - Host, I - IGMP, r - Repeater

Port	Device-ID	Port-ID	Platform	Capability
4/1	001905905	4/1	WS-C5000	T S
4/1	062000101 (CAT3)	9	WS-C1201	S I
4/1	069000022	8/1	WS-C5500	T S
4/1	069000040	4/2	WS-C5500	T S

Console> (enable)

FIG. 8


```
router# show cdp neighbors detail
```

```
Device ID: 008024 1EEB00 (milan-sw-1-cat9k)
```

```
Entry address(es):
```

```
IP address: 1.15.28.10
```

```
Platform: CAT5000, Capabilities: Switch
```

```
Interface: Ethernet1/0, Port ID (outgoing port): 2/7
```

```
Holdtime : 162 sec
```

```
Version :
```

```
Cisco Catalyst 5000
```

```
Duplex Mode: full
```

```
Native VLAN: 42
```

```
VTP Management Domain: 'Accounting Group'
```

FIG. 9

```
Console> (enable) show cdp neighbor 4 detail
Device-ID: 001905905
Device Addresses:
  IP Address: 172.16.25.140
Holdtime: 168 sec
Capabilities: TRANSPARENT_BRIDGE SWITCH
Version:
  WS-C5000 Software, Version MpsSW: 2.2(4) NmpSW: 2.3(103-Eng)
  Copyright (c) 1995,1996 by Cisco Systems
Platform: WS-C5000
Port-ID (Port on Device): 4/1
Port (Our Port): 4/1
```

```
Device-ID: 062000101(CAT3)
Device Addresses:
  IP Address: 172.16.25.212
Holdtime: 175 sec
Capabilities: SWITCH IGMP
Version:
  WS-C1201 Software, Version DmpSW: 4.26 NmpSW: 4.26
  Copyright (c) 1994,1995 by Cisco Systems
  DMP S/W compiled on Apr 18 1997 15:03:03
  NMP S/W compiled on Apr 18 1997 14:52:51
  System Bootstrap Version: 1.1
  Hardware Version: 3.0 Model: WS-C1201 Serial #: 062000101
  1 FDDI interface
  8 10BaseT interfaces
  4096K bytes of DRAM memory.
  1024K bytes of NMP FLASH memory.
  32K bytes of non-volatile configuration memory.
  Uptime is 8 days, 22 hours, 25 minutes
Platform: WS-C1201
Port-ID (Port on Device): 9
Port (Our Port): 4/1
Console> (enable)
```

FIG. 10

Console> (enable) show mac raw

MAC SMT-Address Curr-Path TReq TNeg TMax TVX

1 00:02:d0:03:0b:58 primary 165000 10000 165004 2509

(00:40:0b:c0:d0:1a)

2 00:02:d0:03:0b:59 secondary 165000 10000 165004 2509

(00:40:0b:c0:d0:9a)

MAC Rcv-Frms Rcv-Smt Rcv-llc Tvx-Exp-Ct RingOp-Ct RMT-St

1 100286 91269 9017 0 94 ring-op

2 96067 91257 4810 0 59 ring-op

MAC Xmit-Frms Xmit-Smt Xmit-llc Error-Frms Lost-Frms Total-Frms

1 24743 9363 15380 1 2 440372753

2 9298 9298 0 0 0 440383810

MAC Upstream-Nbr Downstream-Nbr Old-Upstream-Nbr Old-Downstream-Nbr

1 00:02:d0:50:c0:f3 00:02:d0:03:0b:59 10:00:04:10:8f:35 00:02:d0:50:c0:f3

(00:40:0b:0a:03:cf) (00:40:0b:c0:d0:9a) (08:00:20:08:f1:ac) (00:40:0b:0a:03:cf)

2 00:02:d0:03:0b:58 57:53:2d:03:00:48 00:00:1f:00:00:00 00:02:d0:03:06:00

(00:40:0b:c0:d0:1a) (ea:ca:b4:c0:00:12) (00:00:f8:00:00:00) (00:40:0b:c0:60:00)

Last-Time-Cleared

Mon Jul 12 1999, 20:45:19

Console> (enable)

Cisco-1341

FIG. 11A

CISCO-1341

Console> (enable) show mac dynamic

Non-static Address Table:

Destination Address	Address Type	VLAN	Destination Port
---------------------	--------------	------	------------------

0000.0c07.ac00	Dynamic	3	FastEthernet0/1
0010.7b3b.2c82	Dynamic	3	FastEthernet0/1
0060.5cf4.0076	Dynamic	3	FastEthernet0/1
0060.b0c3.94ef	Dynamic	3	FastEthernet0/1
0090.0c71.a7fb	Dynamic	3	FastEthernet0/1
00d0.067c.e441	Dynamic	3	FastEthernet0/4

0000.0c07.ac00

FIG. 11B

Console> (enable)show mac static

CISCO-1341

Static Address Table:

Destination Address	VLAN	Input Port	Output Ports
-----	---	-----	-----
0100.5e00.0128	3	Fa0/1	
	3	Fa0/4	Fa0/1
	3	Fa0/6	Fa0/1

0100.5e00.0128

FIG. 11C

CISCO-1341

CDP Packet

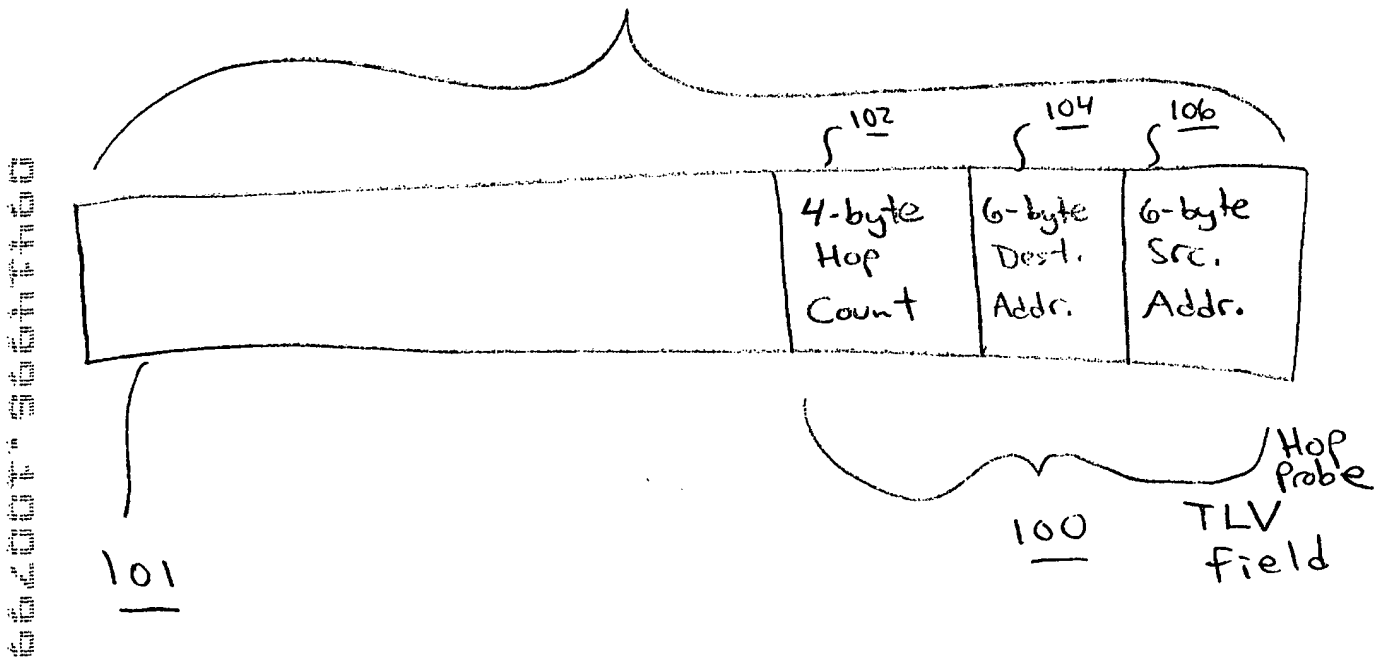


FIG. 12

CISCO-1341

CDP Packet

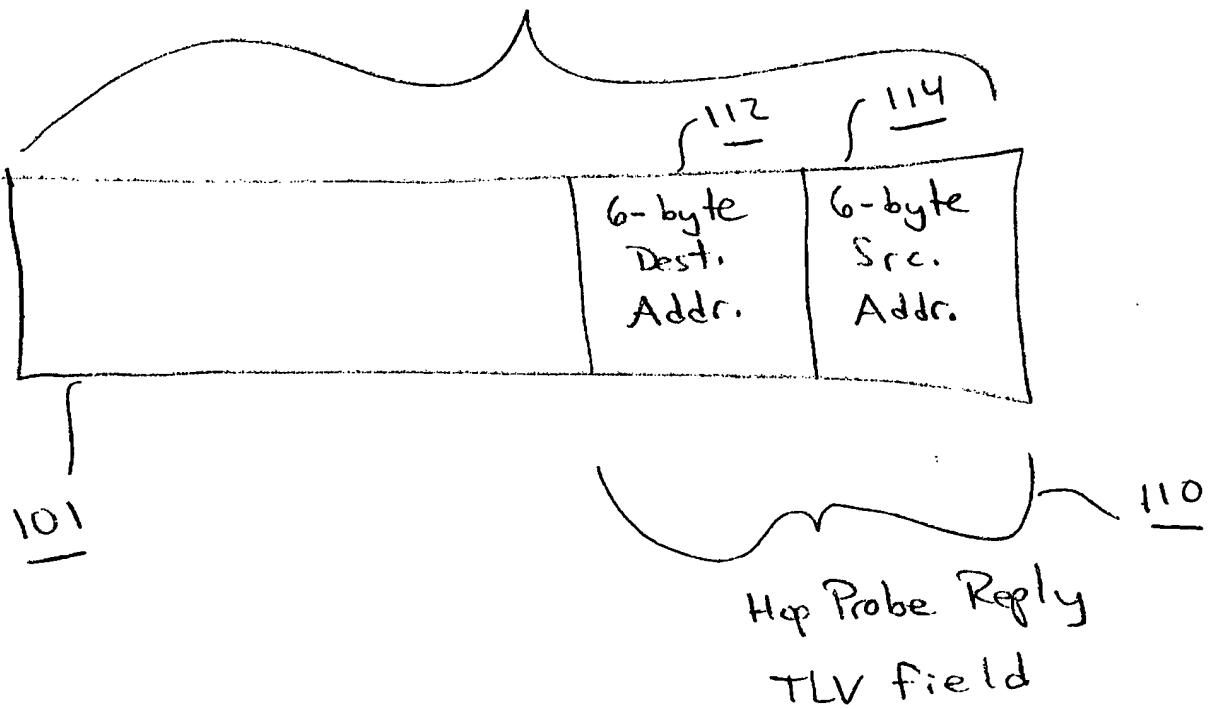


FIG. 13A

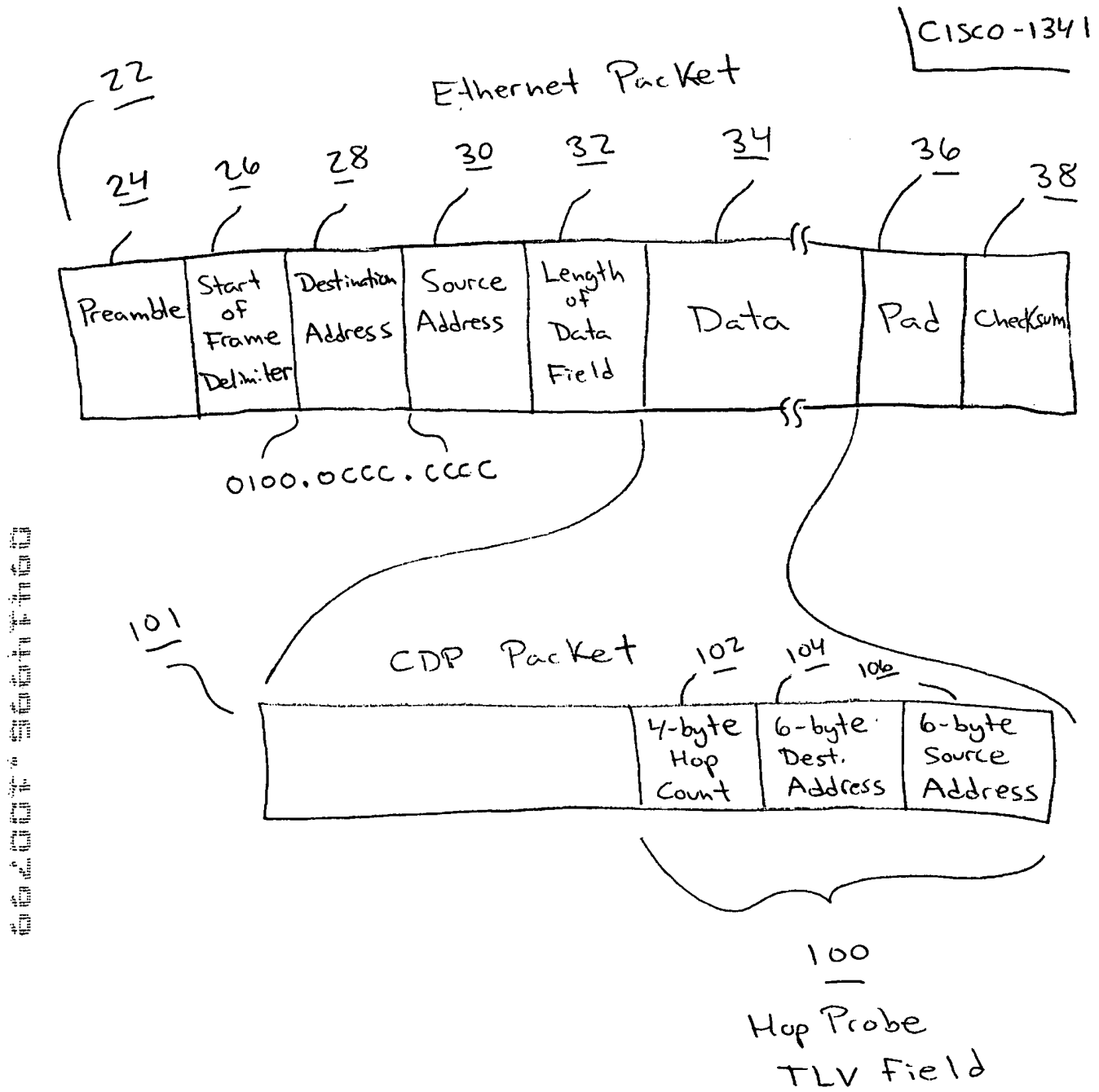
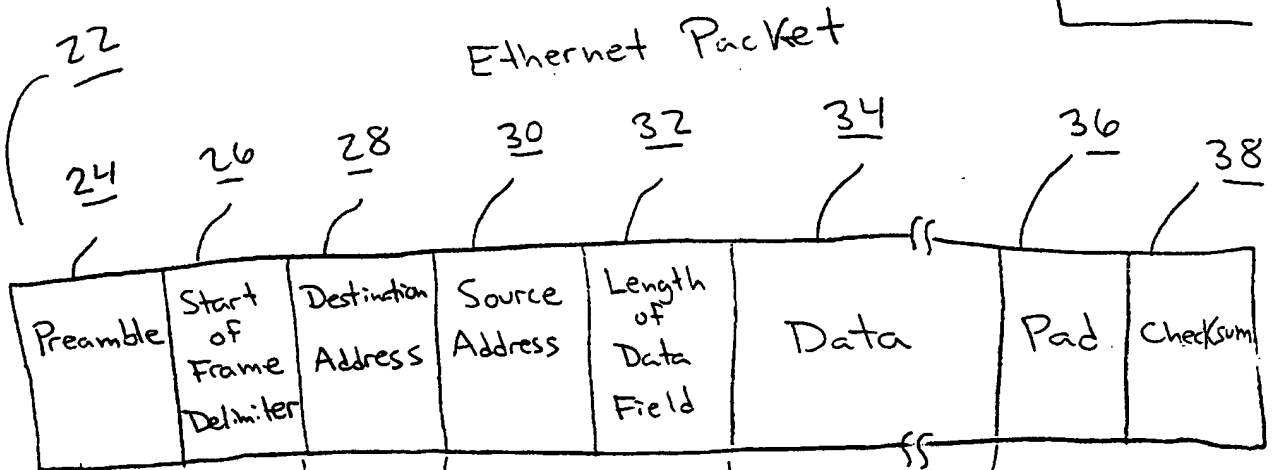
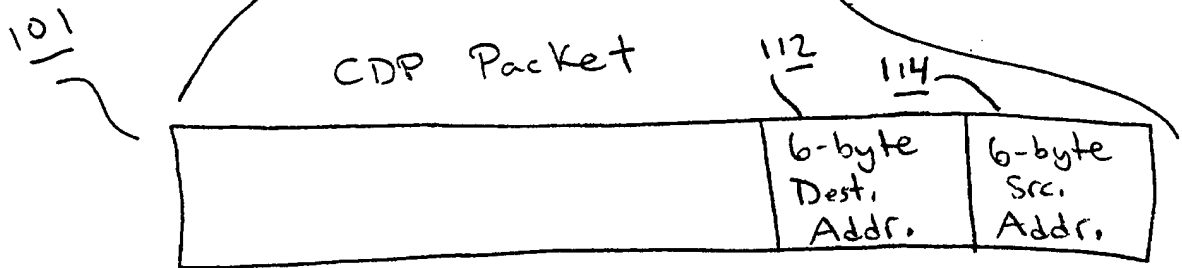


FIG. 13B

CISCO-1341



0100.0CCC.CCCC

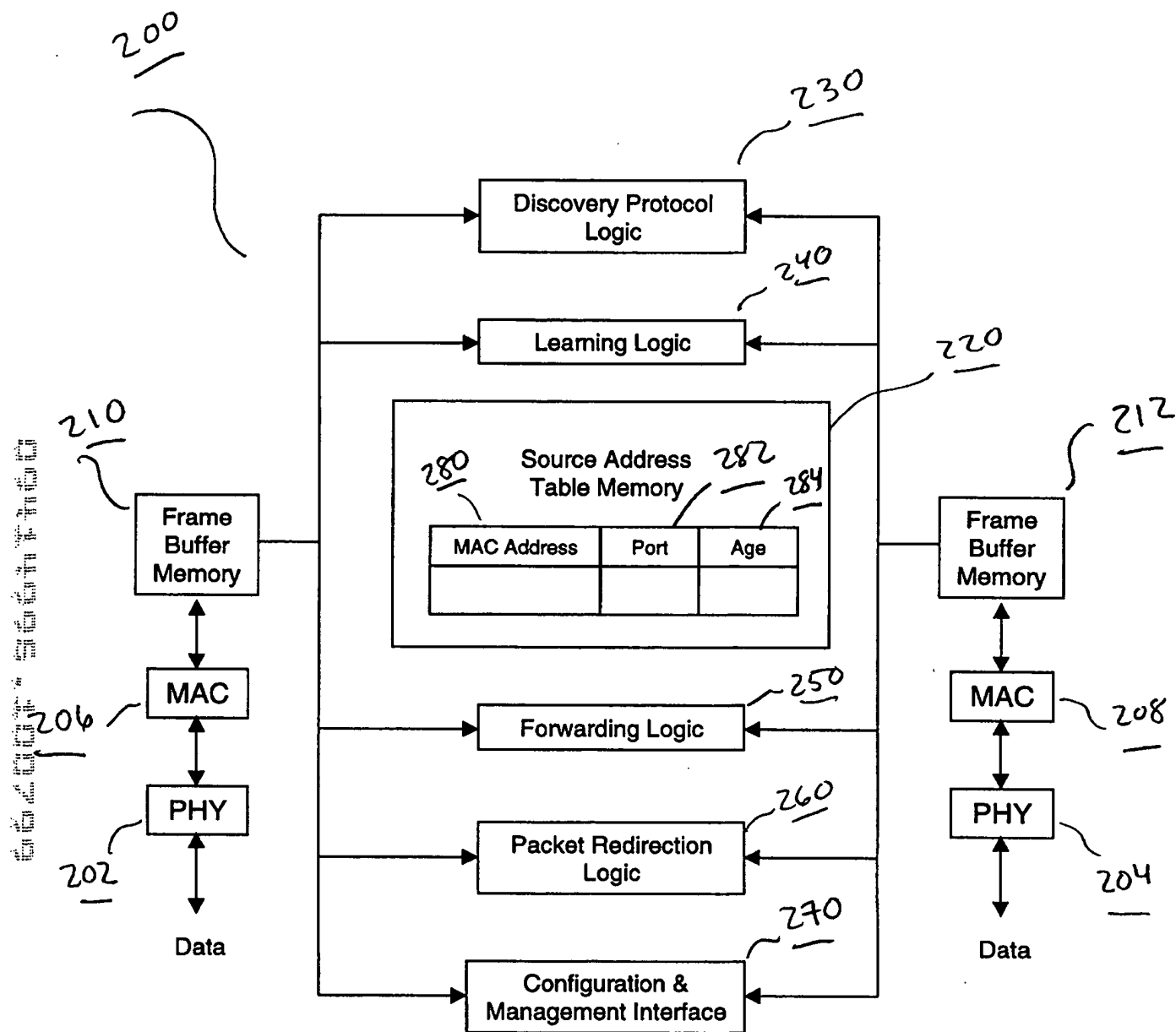


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Hop Probe Reply
TLV field

FIG. 13C

CISCO-1341



CISCO-1341

